

# Material Safety Data Sheet

WHMIS 	Protective Clothing 	TDG Road/Rail 
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## SECTION I - PRODUCT IDENTIFICATION AND PREPARATION INFORMATION

**Product name:** Ro-Tyme Septic Tank Conditioner 112-360 (77604)      **Effective Date:** 3/18/2003      **Code No.:** 1199A  
**Product use:** Consumer products: Cleaner  
**WHMIS:** WHMIS CLASS D-2B: Material causing other toxic effects (TOXIC).  
**TDG:** Not controlled under TDG (Canada).  
              Not applicable.  
**Manufacturer:**      **Supplier:**  
              Armco Inc.  
              3700 Weston Road  
              Toronto, ON M9L 2Z4  
              416-746-3700

**EMERGENCY PHONE : CANUTEC (613) 996-6666**

## SECTION II - HAZARDOUS INGREDIENTS

Ingredients	CAS #	Wt%	ACGIH-TLV	LC <sub>50</sub> /LD <sub>50</sub>
1) Sodium carbonate	000497198	10-30	Not available.	ORAL (LD <sub>50</sub> ): Acute: 4090 mg/kg [Rat].
2) Calcium oxide, hydrated	1305-78-8	3-7	TWA: 2.2 (ppm)	Not available.
3) Aluminum Sulphate	10043-01-3	60-100	Not available.	ORAL (LD <sub>50</sub> ): Acute: 1930 mg/kg [Rat].

## SECTION III - PHYSICAL DATA

<b>Boiling point:</b>	Not applicable	<b>Specific Gravity:</b>	Weighted average: 2.61 (Water = 1)
<b>Vapour Pressure:</b>	Not applicable	<b>Vapor Density:</b>	Not applicable
<b>Solubility in Water:</b>	Soluble	<b>Percent Volatile:</b>	Not applicable.
<b>Physical State:</b>	Solid. (Granular solid.)	<b>Evaporation Rate:</b>	Not applicable.
<b>Appearance and Odour:</b>	White. Dark grey. None	<b>pH (as supplied):</b>	Basic.
		<b>Viscosity:</b>	Not applicable

## SECTION IV - FIRE AND EXPLOSION DATA

**Flammability:** Non-flammable.  
**Flash Points:** Not available.  
**Flammable Limits:** Not available.  
**Hazardous Combustion Products:** These products are carbon oxides (CO, CO<sub>2</sub>), nitrogen oxides (NO, NO<sub>2</sub>...). Some metallic oxides.  
**Means of Extinction:** Water can be used to extinguish a fire in an area where this product is stored.  
**Special Fire Hazards:** Not available.

## SECTION V - REACTIVITY DATA

**Stability:** The product is stable.  
**Incompatibility:** Highly reactive with acids.  
                          Slightly reactive to reactive with reducing agents, metals, alkalis.  
                          Very slightly to slightly reactive with oxidizing agents, organic materials, moisture.  
**Hazardous Decomposition Products:** Not available.

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#### SECTION VI - TOXICOLOGICAL PROPERTIES

**Routes of Entry:** Ingestion. Inhalation.

**Acute Effects on Humans:** Slightly dangerous to dangerous in case of skin contact (irritant), of eye contact (irritant), of inhalation. Slightly dangerous in case of skin contact (sensitizer, permeator), of ingestion. Corrosive to eyes and skin. The amount of tissue damage depends on length of contact. Eye contact can result in corneal damage. Skin contact can produce inflammation and blistering. Inhalation of dust will produce irritation to gastro-intestinal or respiratory tract, characterized by burning, sneezing and coughing. This product may irritate eyes and skin upon contact.

**Chronic Effects on Humans:** Not available.

**Synergistic Materials:** Not available.

#### SECTION VII - PREVENTIVE MEASURES

**Gloves:** Gloves (impervious).

**Eye Protection:** Splash goggles.

**Respiratory Protection:** Not normally required when used as directed.

**Other Protective Equipment:** Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

**Engineering Controls:** Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

**Leak and Spill Procedure:** Use appropriate tools to put the spilled solid in a convenient waste disposal container. If necessary: **Neutralize the residue with a dilute solution of acetic acid.** Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Stop leak if without risk. DO NOT get water inside container. DO NOT touch spilled material. Use water spray to reduce vapors. Prevent entry into sewers, basements or confined areas; dike if needed. Eliminate all sources of ignition. Call for assistance on disposal. **Neutralize the residue with a dilute solution of acetic acid.** Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

**Waste Disposal:** Recycle to process, if possible. Consult your local or regional authorities.

**Storage Requirements:** May corrode metallic surfaces. Store in a metallic or coated fibreboard drum using a strong polyethylene inner package. Keep container dry. Keep in a cool place. Corrosive materials should be stored in a separate safety storage cabinet or room.

#### SECTION VIII - FIRST AID

**Eye:** Check for and remove any contact lenses. IMMEDIATELY flush eyes with running water for at least 15 minutes, keeping eyelids open. COLD water may be used. DO NOT use an eye ointment. Seek medical attention.

**Skin:** If the chemical got onto the clothed portion of the body, remove the contaminated clothes as quickly as possible, protecting your own hands and body. Place the victim under a deluge shower. If the chemical touches the victim's exposed skin, such as the hands: **Neutralize exposed skin with a dilute solution of boric acid or acetic acid.** Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. COLD water may be used. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.

**Inhalation:** Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

**Ingestion:** DO NOT induce vomiting. Have conscious person drink several glasses of water or milk. Seek immediate medical attention.

#### SECTION IX - OTHER INFORMATION

**References:** Not available.

**Additional remarks:** No additional remark.

Validated by Armco Inc. on 3/18/2003.

Verified by Technical Director.

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